

NWS FORM E-5

(11-88)

(PRES. by NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo (SJT)**MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS**

REPORT FOR:

MONTH **October**

YEAR

2004

TO: Hydrometeorological Information Center, W/OH2
NOAA / National Weather Service
1325 East West Highway, Room 7230
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

November 15, 2004

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)

[X] No flood stages were reached in the HSA this month.

Wet weather returned during much of October helping to relieve West Central Texas after a drier than normal September. Much of the HSA received well above normal precipitation during October. Abilene experienced its fourth wettest October on record. San Angelo experienced its thirteenth wettest October on record. The rainfall was beneficial, occurring over extended periods of time at light to moderate intensity. Both San Angelo and Junction recorded 17 days of rainfall during the month. Abilene recorded 18 days of rainfall during the month. Unlike previous monthly summaries where wet periods are mentioned, it is easier to point out that a brief dry spell occurred across the HSA from the 15th to the 21st.

A few isolated areas received heavy rain which produced generous runoff, but generally, the rains merely saturated the soils. During the 5th and 6th of the month, heavy rain caused only a few problems over urban areas including San Angelo and Abilene. Small stream flood advisories were issued to inform the public of runoff from the heavy rains that occurred across the Big Country through the Concho Valley, Heartland and Northern Edwards Plateau. Rainfall amounts ranged from 1.25 inches across the Big Country to over 3 inches in parts of the Northern Edwards Plateau.

Another notable event occurred late on the 25th of the month. Heavy rain over the Big Country caused urban flooding in Abilene due to about 2.50 inches over portions of the city. Several water rescues were made in Abilene. Rainfall across the HSA ranged from one inch over parts of the Concho Valley and Northern Edwards Plateau to 2 inches over spots in the Big Country.

Even though much of West Central Texas received above normal rainfall in October and above normal rainfall year-to-date, a generally dry soil profile and dry streambeds have captured much of the moisture from the storm events and little runoff has been generated. However, Lake Fort Phantom Hill, just north of Abilene, received a significant volume of water during October and captured an additional 9,500 acre-feet of water. As noted in the Reservoir Conditions Table below, only a few of the reservoirs are above 50 percent of conservation capacity.

The San Angelo Regional Airport received 5.16 inches of rain in October, which was 2.59 inches above the monthly normal rainfall of 2.57 inches.

The Abilene Regional Airport received 8.11 inches of rain in October, which was 5.21 inches above the monthly normal rainfall of 2.90 inches.

Rainfall Totals for October, 2004:

Station Name	Amt (in)	Station Name	Amt (in)
Abilene 2	8.25	Mason	1.90
Acton Ranch	5.81	Menard	3.15
Albany	4.76	Merkel 12SW	5.19
Anson	3.08	Oak Creek Lake	6.41
Ballinger 2NW	M	Ozona 1SSW	M
Brady	2.72	Ozona 22SE	5.99
Brownwood	5.88	Paint Rock	3.47
Burkett	7.34	Putnam	4.94
Coleman	5.74	Richland Springs	M
Concho Park	2.89	Robert Lee	8.28
Eden	5.15	Roscoe	6.63
Eldorado	5.35	Rotan	4.02
Eldorado 10W	9.29	San Angelo WFO	5.16
Eldorado 12N	6.18	San Saba 7NW	5.14
Fort Griffin	6.04	Silver Valley	6.60
Fort McKavett	3.22	Sonora	6.44
Funk Ranch	5.92	Stamford	4.28
Glen Cove	6.69	Sterling City	4.58
Hamlin	5.29	Sterling City 8NE	5.65
Haskell	3.11	Taylor Ranch	3.71
Hords Creek	4.94	Telegraph	4.31
Humble Pump	M	Throckmorton 7NE	5.56
Junction 4SSW	2.33	Trent	4.11
Lake Abilene	7.38	Water Valley	6.79
Lawn	6.59	Water Valley 11NE	6.42
London 3N	1.69	Winters	6.34
Maryneal 4SW	5.79	Woodson	3.65

*(M) Missing data***Reservoir Conditions (end of October, 2004)**

Reservoir	Conservation Capacity (Ac-Ft)	Current Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	46,840	67
Lake Stamford	52,700	29,460	56
Hubbard Creek Lake	317,800	120,980	38
Hords Creek Lake	8,800	3,370	38
Lake Brownwood	131,428	131,428	100
E.V. Spence	488,760	42,020	9
O.C. Fisher	119,200	1,670	1
O.H. Ivie	554,340	168,800	30

Hydro Products Issued

FFA = 11

FFW = 4

FFS = 4

FLS = 35 (Urban and Small Stream Advisories)